DVDVIDEO DIGITAL SURROUND SYSTEM

MX5500D

PHILIPS

México

NOM-NYCE

Es necesario que lea cuidadosamente su instructivo de manejo.

PRECAUCIÓN - ADVERTENCIA
No abrir, riesgo de choque eléctrico
ATENCIÓN
Verifique que el voltaje de alimentación sea el requerido para su aparato
Para evitar el riesgo de choque eléctrico, no quite la tapa.
En caso de requerir servicio, dirijase al personal calificado.

Descripción:	**Sistema receptor/reproductor de DVD**
Modelo :	**MX5500D/21**
Alimentación:	**110–127 / 220–240V~; 50–60 Hz**
Consumo:	**150 W**
Importador:	**Philips Mexicana, S.A. de C.V.**
Domicilio:	**Av. La Palma No. 6**
	Col. San Fernando La Herradura
	Huixquilucan
Localidad y Tel:	**Edo. de México C.P. 52784**
	Tel. 52 69 90 00
Exportador:	**Philips Electronics HK, Ltd.**
País de Origen:	**China**
N° de Serie:	_____

LEA CUIDADOSAMENTE ESTE INSTRUCTIVO ANTES DE USAR SU APARATO.

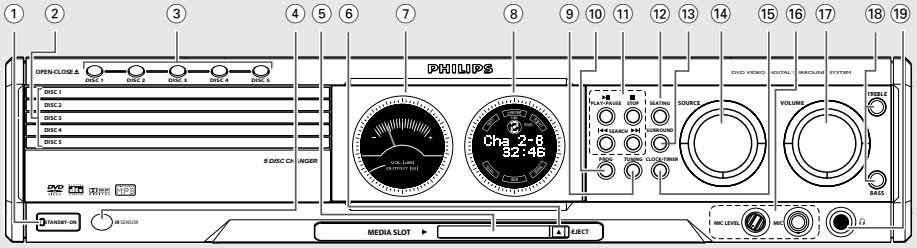
AVISO IMPORTANTE

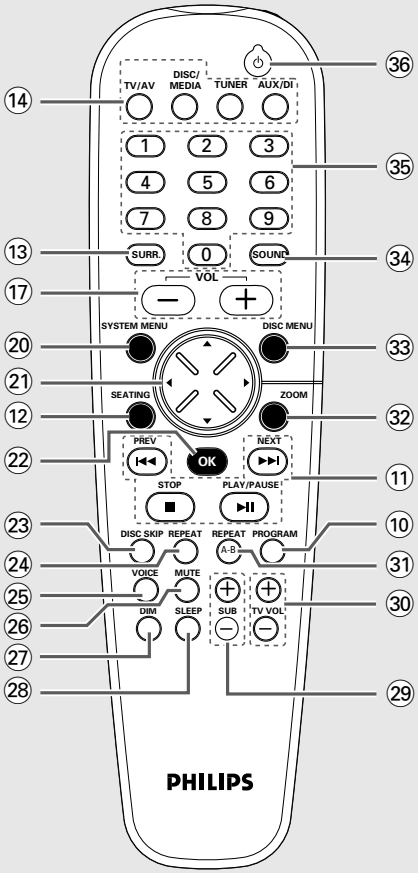
Philips Mexicana, S.A. de C.V. no se hace responsable por daños o desperfectos causados por:

- ***Maltrato, descuido o mal uso, presencia de insectos o roedores (cucarachas, ratones etc.).***
- ***Cuando el aparato no haya sido operarado de acuerdo con el instructivo del uso, fuera de los valores nominales y tolerancias de las tensiones (voltaje), frecuencia (ciclaje) de alimentación eléctrica y las características que deben reunir las instalaciones auxiliares.***
- ***Por fenómenos naturales tales como: temblores, inundaciones, incendios, descargas eléctricas, rayos etc. o delitos causados por terceros (choques asaltos, riñas, etc.).***

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.


PHILIPS
OPEN-CLOSE
DISC 1
DISC 2
DISC 3
DISC 4
DISC 5
5 DISC CHANGER
STANDBY-ON
MEDIA SLOT
EJECT
SOURCE
VOLUME
TREBLE
BASS
MIC LEVEL


TV/AV
DISC/ MEDIA
TUNER
AUX/DI
SURR.
SOUND
VOL
SYSTEM MENU
DISC MENU
SEATING
ZOOM
PREV
NEXT
OK
STOP
PLAY/PAUSE
DISC SKIP
REPEAT
REPEAT A-B
PROGRAM
VOICE
MUTE
DIM
SLEEP
SUB
TV VOL
PHILIPS

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Français

Español

中文

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General Information

Supplied accessories

Speaker cables (5x)

Subwoofer cable

Audio cable (white, red)

Composite video cable (yellow)

Component video cables (red/blue/green)

FM wire antenna

MW loop antenna

Remote control and two batteries

AC power cable

Mini speaker stands and screws (4x) (8x)

Brackets and screws (4x)

Care and safety information

Avoid high temperatures, moisture, water and dust

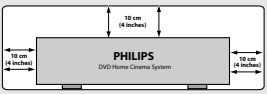
– Do not expose the system, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight.) Always keep the disc tray closed to avoid getting dust on the lens.

Avoid condensation problem

– The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

Do not block the vents

– Do not operate the DVD system in an enclosed cabinet and allow about 10 cm(4 inches) of free space all around the player for adequate ventilation.



Care of disc

– To clean a CD, wipe it in a straight line from the centre towards the edge using a soft, lint-free cloth. Do not use cleaning agent, as they may damage the disc!

– Write only on the printed side of a CDR(W) and only with a soft felt-tipped pen.

– Handle the disc by its edge, do not touch the surface.

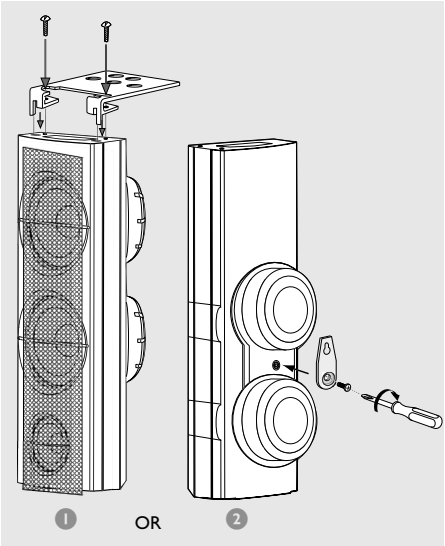
Care of the cabinet

– Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Finding a suitable location

– Place the player on a flat, hard, stable surface.

Step 1: Set up the speakers



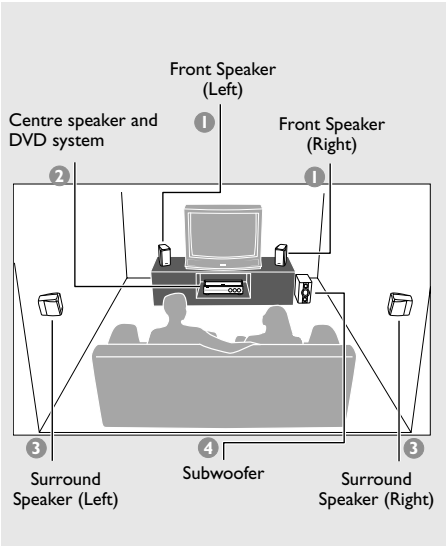
1 Before connecting the speakers to the DVD system, firmly attach the mini speaker stands to the front and the surround speakers using the supplied screws.

OR

2 Alternatively, you can choose to mount the speakers on the wall. Attach the supplied bracket firmly to the rear of speakers using the supplied screws. Then mount a screw (not supplied) on the wall where the speaker is to be hung and hook the speaker securely onto the mounted screw.

CAUTION!
You should get a qualified person to attach the brackets to the wall. DO NOT do it by yourself to avoid unexpected damage to the equipment or injury to personnel.

Step 2: Placing the speakers and subwoofer



For best possible surround sound, all the speakers (except the subwoofer) should be placed at the same distance from the listening position.

1 Place the front left and right speakers at equal distances from the TV and at an angle of approximately 45 degrees from the listening position.

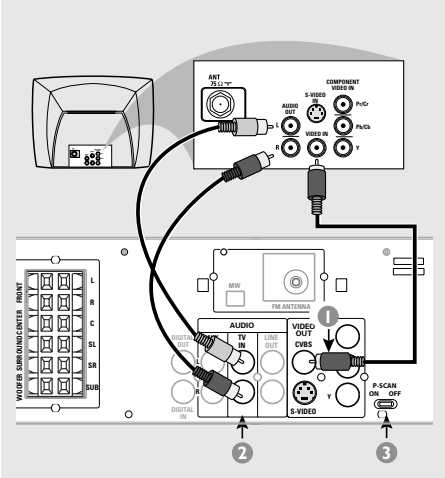
2 Place the centre speaker above the TV or the DVD system so that the centre channel's sound is localised.

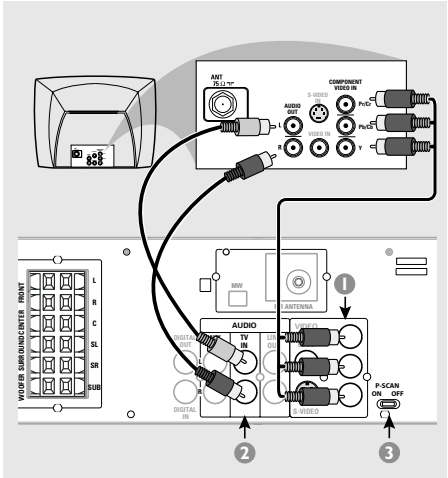
3 Place the surround speakers at normal listening ear level facing each other or mounted on the wall.

4 Place the subwoofer on the floor near the TV.

Notes:
– To avoid magnetic interference, do not position the front speakers too close to your TV.
– Allow adequate ventilation around the DVD system.

Step 3: Connecting TV





IMPORTANT!

– You only need to make <u>one</u> video connection from the following options, depending on the capabilities of your TV system.

– S-Video or Component Video connection provides higher picture quality. These options must be available on your TV.

– Connect the DVD system directly to the TV.

Using Compositer Video jack (CVBS)

1. Use the composite video cable (yellow) to connect the DVD system's **CVBS** jack to the video input jack (or labelled as A/V In, Video In, Composite or Baseband) on the TV.
2. To hear the TV channels through this DVD system, use the audio cables (white/red) to connect **TV IN (L/R)** jacks to the corresponding AUDIO OUT jacks on the TV.
3. Set the **P-SCAN** switch to '**OFF**'.

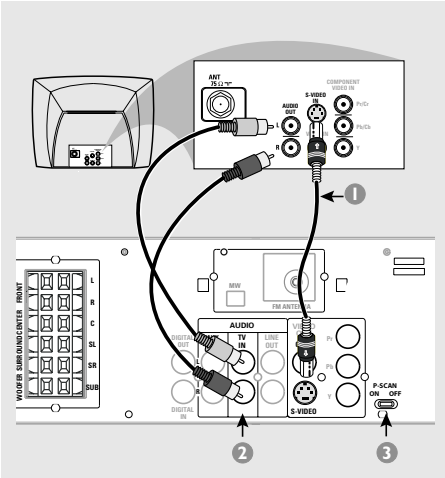
IMPORTANT!

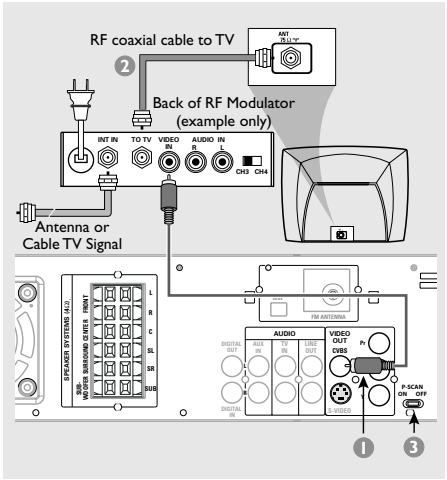
– If both S-Video and Component (Pr Pb Y) Video connections are used to connect to your TV, the video signal will automatically switch to S-Video when you power up the DVD system. To set the VIDEO OUT(put) to 'Pr Pb Y', see page 31.

– The progressive scan video quality is only possible through Component Video (Pr Pb Y) output.

Using Component Video jacks (Pr Pb Y)

1. Use the component video cables (red/blue/green) to connect the DVD system's **Pr Pb Y** jacks to the corresponding Component video input jacks (or labelled as Pr/Cr Pb/Cb Y or YUV) on the TV.
2. To hear the TV channels through this DVD system, use the audio cables (white/red) to connect **TV IN (L/R)** jacks to the corresponding AUDIO OUT jacks on the TV.
3. If you are using a Progressive Scan TV (TV must indicate Progressive Scan or ProScan capability), set the **P-SCAN** switch to '**ON**'. Otherwise, set it to '**OFF**'.





IMPORTANT!

– If the picture is distorted, check the Video Output setting. Make sure it is set to 'S-Video', see page 31.

Using S-Video jack

1. Use the S-video cable (not supplied) to connect the DVD system's **S-VIDEO OUT** jack to the S-Video input jack (or labelled as Y/C or S-VHS) on the TV.
2. To hear the TV channels through this DVD system, use the audio cables (white/red) to connect **TV IN (L/R)** jacks to the corresponding AUDIO OUT jacks on the TV.
3. Set the **P-SCAN** switch to '**OFF**'.

IMPORTANT!

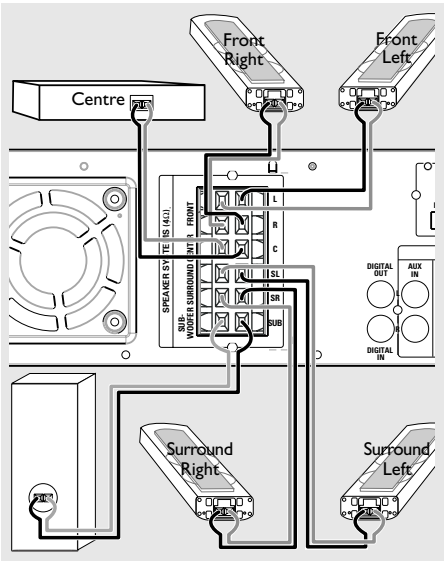
– If your TV only has a single Antenna In jack (or labelled as 75 ohm or RF In), you will need an RF modulator in order to view the DVD playback on the TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

Using an accessory RF modulator

1. Use the composite video cable (yellow) to connect the DVD system's **CVBS** jack to the video input jack on the RF modulator.
2. Use the RF coaxial cable (not supplied) to connect the RF modulator to your TV's RF jack.
3. Set the **P-SCAN** switch to '**OFF**'.

Connections

Step 4: Connecting speakers and subwoofer



Connect the supplied speaker systems using the supplied speaker cables by matching the colours of the jacks and speaker cables. Fully insert the stripped portion of the speaker wire into the jacks.

Speakers / Subwoofer	⊖	⊕
Front Left (FL) (L)	black	white
Front Right (FR) (R)	black	red
Centre (C)	black	green
Surround Left (SL)	black	blue
Surround Right (SR)	black	grey
Subwoofer (SUB)	black	purple

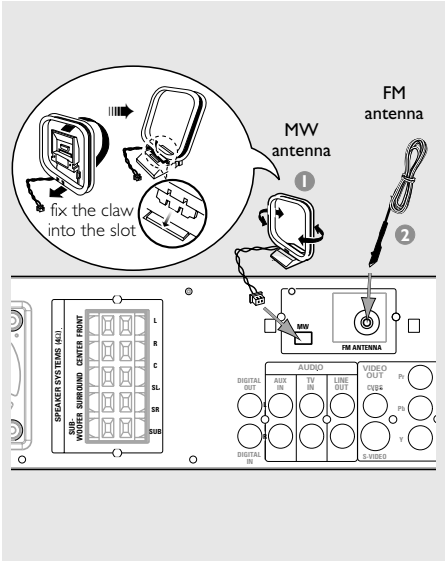
Notes:

– Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.

– Do not connect more than one speaker to any one pair of +/– speaker jacks.

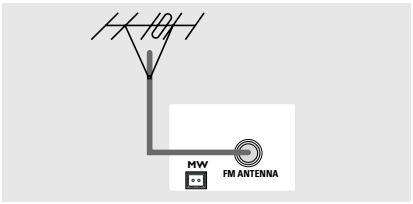
– Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Step 5: Connecting FM/MW antennas



1. Connect the supplied MW loop antenna to the **MW** jack. Place the MW loop antenna on a shelf or attach it to a stand or wall.
2. Connect the supplied FM antenna to the **FM** jack. Extend the FM antenna and fix its ends to the wall.

For better FM stereo reception, connect an external FM antenna (not supplied).

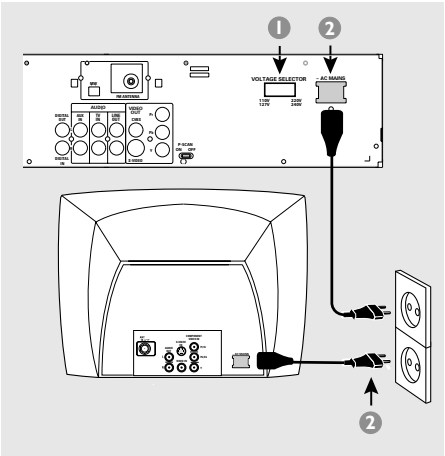


Notes:

– Adjust the position of the antennas for optimal reception.

– Position the antennas as far as possible from your TV, VCR or other radiation source to prevent unwanted interference.

Step 6: Connecting the power cord

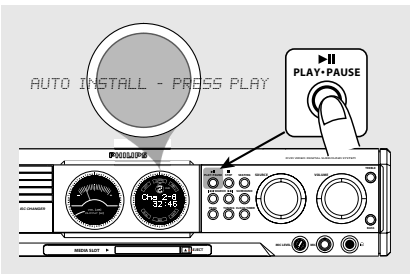


After everything is connected properly,

1. Set the **VOLTAGE SELECTOR** to the local power line voltage.
2. Plug in the AC power cord to the power outlet. Never make or change any connections with the power switched on.

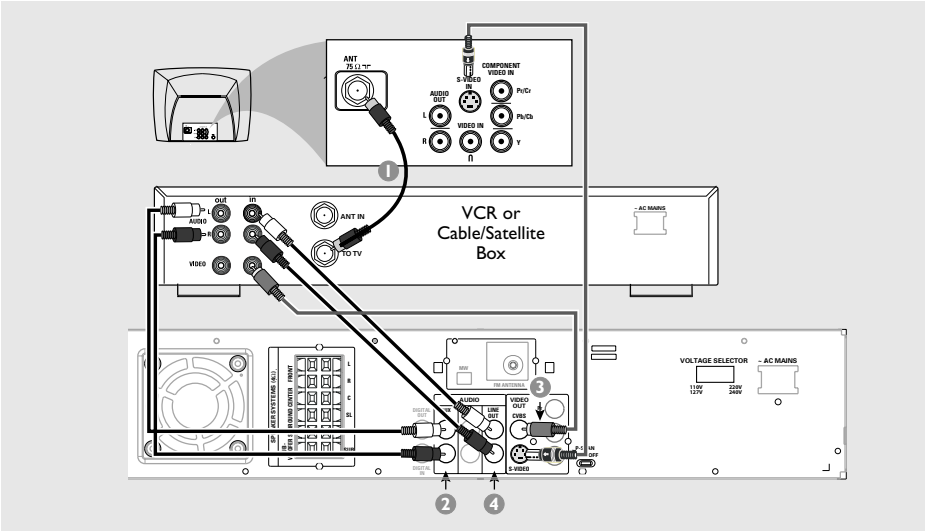
On the DVD system,

"AUTO INSTALL – PRESS PLAY" may appear on the display panel. Press ▶II on the front panel to store all available radio stations or press ■ to exit (see page 36 "Tuner Operations").



Connections (optional)

Connecting a VCR or Cable/Satellite Box



Viewing and listening to the playback

1. Connect the VCR or Cable/Satellite Box to the TV as shown.
2. Connect the DVD system's **AUX IN (R/L)** jacks to the AUDIO OUT jacks on the VCR or cable/satellite box.

   Before starting operation, press **AUX/DI** on the remote to select "AUX" in order to activate the input source.

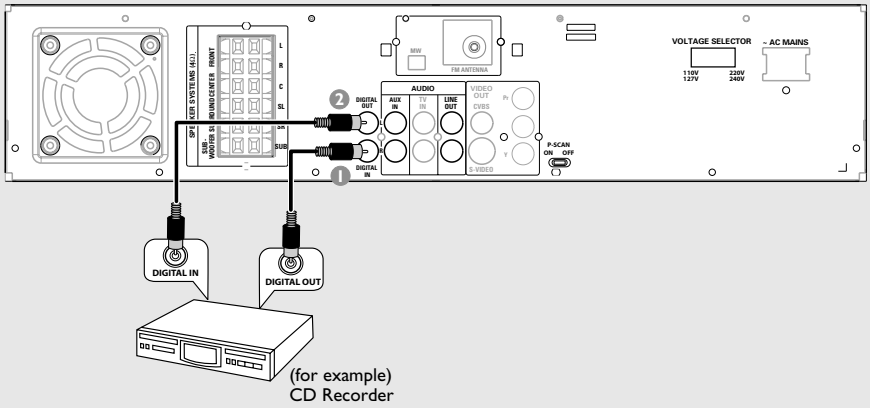
Using the VCR for recording DVDs

Some DVDs are copy-protected. You cannot record or dub protected discs using a VCR.

3. Connect the DVD system's **CVBS** jack to the VIDEO IN jack on the VCR.
4. Connect the DVD system's **LINE OUT (R/L)** jacks to the AUDIO IN jacks on the VCR. This will allow you to make analogue stereo (two channel, right and left) recordings.

To view DVD playback while recording, you must connect the DVD system to your TV using the S-VIDEO (as shown above) or the Component (Pr Pb Y) video connection.

Connecting digital audio equipment



Listening to the playback

1 Connect the DVD system's **DIGITAL IN** jack to the DIGITAL OUT jack on a digital audio device.

Before starting operation, press **AUX/DI** on the remote to select "DI" in order to activate the input source.

Recording (digital)

2 Connect the DVD system's **DIGITAL OUT** jack to the DIGITAL IN jack on a digital recording device (DTS-Digital Theatre System compatible, with a Dolby Digital decoder, for example).

Before starting operation, set the DIGITAL OUTPUT according to the audio connection. (See page 32 "**Setting the digital output**").

Notes:

– Some DVDs are copy-protected. You cannot record the disc through a VCR or digital recording device.

– Always refer to the owner's manual of the other equipment for complete connection and usage details.

Functional Overview *(illustration on page 3)*

Main unit and remote control

① **STANDBY ON**
– Switches to Eco Power standby mode or turns on the system.
– *Switches to standby mode.

② **Disc trays 1~5**

③ **OPEN•CLOSE ≜ (DISC1~5)**
– Opens/Closes the individual disc tray.

④ **iR SENSOR**
– Point the remote control towards this sensor.

⑤ **MEDIA SLOT**
– Plug the memory card into the PC card adaptor and insert it into the media slot for viewing.

⑥ **EJECT ≜**
– Ejects the memory card from the slot.

⑦ **Speaker display panel**

⑧ **System display panel**

⑨ **TUNING**
– Switches between frequency tuning and preset tuning mode.

⑩ **PROG (PROGRAM)**
– DISC: starts programming.
– TUNER: starts *automatic/ manual preset programming.
– CLOCK: selects 12- or 24-hour clock display.

⑪ **▶ II PLAY•PAUSE**
– DISC: starts/pauses playback.
– TUNER: *enters Plug & Play mode and/or starts preset radio station installation (only on the main unit).

■ STOP
– Exits an operation.
– DISC: stops playback or *clears a programme.
– TUNER: *erases a preset radio station.

|◄◄ SEARCH ►►| (PREV/NEXT)
– DISC: *searches backward/forward or selects a track.
– TUNER: tunes the radio frequency up/down or selects a preset radio station.
(On the remote, it can only tune the radio frequency up/down).
– CLOCK: sets the minutes and hours.

⑫ **SEATING** (only available in Multi-channel mode)
– Turns on/off the seating control on the TV. Use the VOLUME control on the main unit or joystick on the remote to select the desired seating position.

⑬ **SURROUND (SURR.)**
– Selects multichannel surround, 3D sound or stereo mode.

⑭ **SOURCE**
– Selects the relevant active mode : TV/AV, DISC, MEDIA SLOT, TUNER, AUX or DI.
– DISC: toggles between DISC and MEDIA SLOT.
– TUNER: toggles between FM and MW band.
– AUX/DI: toggles between AUX and DI (Digital Input) mode.

⑮ **CLOCK•TIMER**
– *Enters clock or timer setting mode.
– Shows clock display for a few seconds.

⑯ **MIC LEVEL**
– Adjusts the mixing level when using the microphone.

MIC
– Plug in the microphone jack.

⑰ **VOLUME (VOL + −)**
– Adjusts the volume level.

⑱ **BASS / TREBLE**
– Selects bass or treble sound. Use the VOLUME control to select the desired enhancement level.

⑲ 🎧
– Plugging in the headphones jack. The speakers output will be cancelled.

*** = Press and hold the button for more than two seconds.**

Control buttons available on the remote only

⑳ **SYSTEM MENU** (DVD mode only)
– Enters or exits system setup menu.

㉑ **Joystick ◄►▲▼**
– Selects movement direction in the menu.
– Use ◄► to select a preset radio station.

㉒ **OK**
– Confirms a selection.

㉓ **DISC SKIP**
– Selects next disc tray for playback.

㉔ **REPEAT**
– Selects various repeat modes.

㉕ **VOICE** (only available in Multi-channel mode)
– Turns on/off clear voice sound effect.

㉖ **MUTE**
– Mutes or restores the volume.

㉗ **DIM**
– Turns on/off the dim mode.

㉘ **SLEEP**
– Sets the sleep timer function.

㉙ **SUB + −**
– Adjusts subwoofer's sound level.

㉚ **TV VOL + −**
– Adjusts TV volume (Philips TV only).

㉛ **REPEAT A-B**
– Repeats a specific section on a disc.

㉜ **ZOOM**
– Enlarges a picture on the TV screen.

㉝ **DISC MENU**
– Enters or exits disc contents menu.
– For VCD version 2.0 only;
In stop mode, turns on/off playback control (PBC) mode.
During playback, returns to main menu.

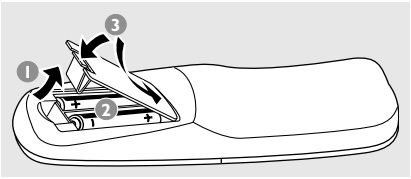
㉞ **SOUND**
– Selects a sound effect.

㉟ **Numeric Keypad (0-9)**
– Enters a track/title number of the disc.
– Enters a number of a preset radio station.

㊱ ⏻
– Switches to Eco Power standby mode.
– *Switches to standby mode.

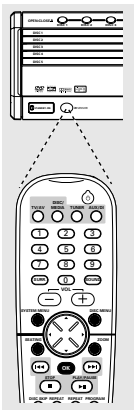
*** = Press and hold the button for more than two seconds.**

Step 1: Inserting batteries into the remote control



1. Open the battery compartment.
2. Insert two batteries type R06 or AA, following the indications (+ −) inside the compartment.
3. Close the cover.

Using the remote control to operate the system



1. Aim the remote control directly at the remote sensor (iR) on the front panel.
2. Select the source you wish to control by pressing one of the source select buttons on the remote control (for example TV/AV, TUNER).
3. Then select the desired function (for example ▶ II, I◀◀, ▶▶I).

CAUTION!

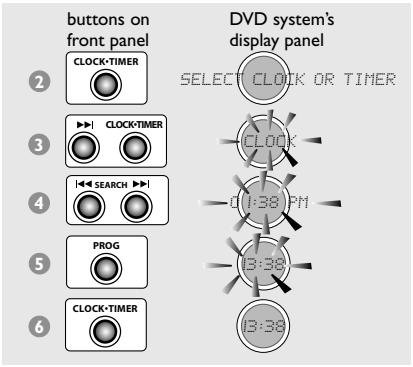
– Remove batteries if they are exhausted or if the remote is not to be used for a long time.

– Do not use old and new or different types of batteries in combination.

– Batteries contain chemical substances, so they should be disposed of properly.

Step 2: Setting the clock

The clock can be set in either 12-hour or 24-hour mode ("12:00 AM" or "00:00" for example).



1. Press **STANDBY ON** to switch on the DVD system.
2. Press and hold **CLOCK•TIMER** until "SELECT CLOCK OR TIMER" appears.
3. Press ▶▶I (if necessary) to change the display to "CLOCK", then press **CLOCK•TIMER** again to confirm.
4. Press I◀◀ / ▶▶I to set the minutes and hours. To increase the speed, hold down I◀◀ or ▶▶I.
   ➜ The changes in minutes will roll over to the hours.
5. Press **PROG** to change between 12-hour and 24-hour clock mode.
6. Press **CLOCK•TIMER** again to store the setting.
   ➜ The clock will start working.

To view the clock time in any active mode

- Press **CLOCK•TIMER**.
  ➜ The clock will display for a few seconds.

Notes:

– If the DVD system is disconnected from the power supply, it will erase the clock setting.

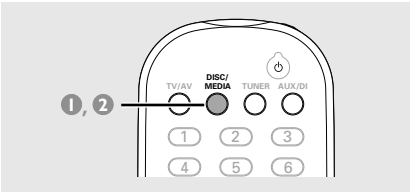
– If you do not press any buttons within 90 seconds, the system will exit clock setting mode.

Step 3: Setting the TV

IMPORTANT!
Make sure you have completed all the necessary connections. (See pages 10-11 "Connecting TV").

1. Adjust **SOURCE** control until "DISC X" appears on the display panel (or press **DISC/MEDIA** on the remote).
2. Turn on the TV and set to the correct video-in channel. You should see the blue Philips DVD background screen on the TV.
   ➜ Usually this channel is between the lowest and highest channels and may be called FRONT, A/V IN, or VIDEO. See your TV manual for more details.
   ➜ Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
   ➜ Or, the TV remote control may have a button or switch that chooses different video modes.
   ➜ Or, set the TV to channel 3 or 4 if you are using an RF modulator.

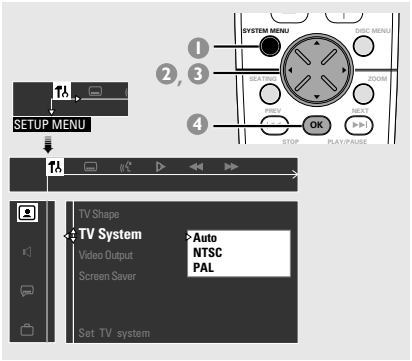
Changing the NTSC/PAL setting via the remote control



1. Press **DISC/MEDIA** on the remote to enter disc mode.
   ➜ Make sure no MP3 or picture (Kodak, JPEG) disc is in disc tray 1.
   ➜ Wait until the system finishes reading the discs before proceeding to next step.
   If playback begins, press ■ to stop playback.
2. Press and hold **DISC/MEDIA** on the remote until "PAL" or "NTSC" appears on the display panel.
   ➜ To change the setting, repeat step 2.

Selecting the colour system that corresponds to your TV

This DVD system is compatible with both NTSC and PAL. In order for a DVD to play on this DVD system, the colour system of the DVD, the TV and the DVD system should match.



1. In disc mode, stop playback and press **SYSTEM MENU**.
2. Select icon and press ▼.
3. Use the joystick (◄ ► ▲ ▼) on the remote to navigate in the menu.

   Move to and press ►.
   Move to '**TV System**' and press ►.

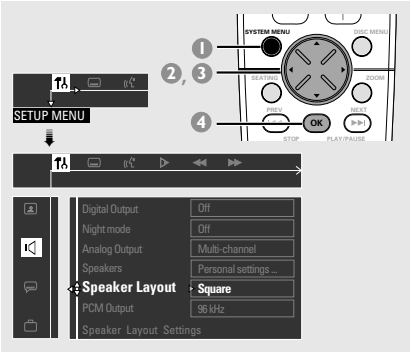
   Auto – Select this if the connected TV is compatible with both NTSC and PAL (multi-system). The output format will be in accordance with the video signal of the disc.

   NTSC – Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc (VCD only) and output to NTSC format.

   PAL – Select this if the connected TV is PAL system. It will change the video signal of an NTSC disc and output to PAL format.
4. Select an item and press **OK**.

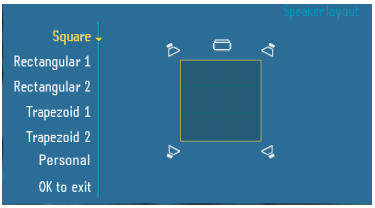
To remove the menu
Press SYSTEM MENU.

Step 4: Selecting speaker layout



1. In disc mode, press **SYSTEM MENU**.
2. Select icon and press ▼.
3. Use the joystick (◀ ▶ ▲ ▼) on the remote to navigate in the menu.

   Move to and press ▶.
   Move to '**Speaker Layout**' and press ▶.

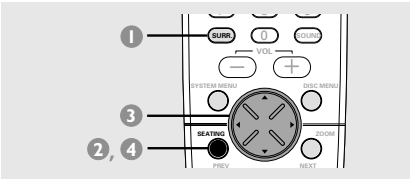


4. Select the layout that most closely resembles your speakers' arrangement, then press **OK**.
   ➜ The speaker output will adjust automatically to suit the selected speaker layout settings based on the seating position in the middle. To change the seating position, see "**Changing seating control position**".
   ➜ If you choose '***Personal***', the speaker output will follow the settings in the '**Speakers**' menu (see next page "**Setting the speakers' channels**").

To remove the menu
Press SYSTEM MENU.

Changing seating control position

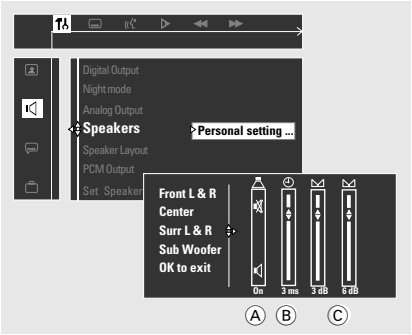
Normally, the best sound spot and the ideal setting position is in the middle of the room. With this '**SEATING**' feature, it allows you to select the current seating position in the room and the speaker setting will automatically be adjusted for optimum performance.



1. Press **SURR.** (or **SURROUND** on the front panel) repeatedly to select '**Multi-channel**'.
2. Press **SEATING**.
   ➜ The seating control diagram which represents your current speaker layout appears on the TV screen. To change the speaker layout, see "**Selecting speaker layout**".
3. Use the joystick (◀ ▶ ▲ ▼) on the remote (or **VOLUME** control on the front panel) to select your current seating position.
   ➜ During playback, you can hear the changing of sound effect when you change the seating position.
   ➜ If you do not press any buttons within five seconds, the seating control diagram will exit from the TV and the system will execute the last selected seating position.
4. If you want to remove the seating control feature, press **SEATING** twice.
   ➜ "PERSONAL SETTING" appears and the system will revert to the personal speaker settings.

Setting the speakers' channels

You can adjust the delay times (centre and surround only) and volume level for individual speakers. These adjustments let you optimise the sound according to your surroundings and setup. Speaker settings are only active on Multi-channel audio outputs.



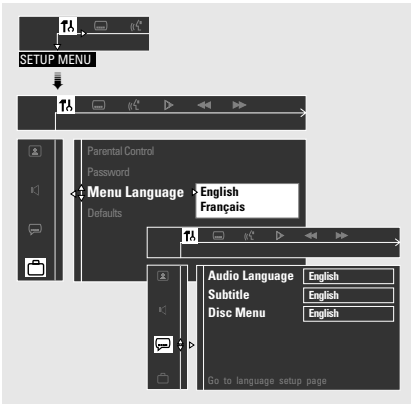
1. Press **SURR.** (or **SURROUND** on the front panel) repeatedly to select '**Multi-channel**'.
2. In disc mode, press **SYSTEM MENU**.
3. Select icon and press ▼.
4. Use the joystick (◀ ▶ ▲ ▼) on the remote to navigate in the menu.

   Move to and press ▶.
   Move to '**Speakers**' and press ▶.
5. Press ▲ ▼ to select (**Front L&R, Center, Surr L&R, Sub Woofer**), then press ▶ to enter the speaker setting menu.
   ➜ The test tone will be automatically generated.
6. Use ▲ ▼ to adjust the settings for each speaker to suit your surround sound needs. This adjustments may include :
   Ⓐ Turning on or off the sound output.
   Ⓑ Delay time settings - use the longer delay settings when the surround speakers are closer to the listener than the front speakers.
   Ⓒ Adjusting the volume levels for one or both speakers until the sound evens.
7. Press **OK** to confirm.

To remove the menu
Press SYSTEM MENU.

Step 5: Setting language preference

You can select your preferred language settings so that this DVD system will automatically switch to the language for you whenever you load a disc. If the language selected is not available on the disc, the disc's default setting language will be used instead. Except the DVD system's menu language, it will remain once selected.



1. In disc mode, stop playback and press **SYSTEM MENU**.
2. Select icon and press ▼.
3. Use the joystick (◀ ▶ ▲ ▼) on the remote to navigate in the menu.

   Move to and press ▶.
   Move to '**Menu Language**' and press ▶.
4. Select a language and press **OK**.
5. Use the joystick (◀ ▶ ▲ ▼) on the remote to navigate in the menu.

   Move to and press ▶.
   Move to one of the following and press ▶.
   – '**Audio Language**' (disc's soundtrack)
   – '**Subtitle**' (disc's subtitles)
   – '**Disc Menu**' (disc's menu)
6. Select a language and press **OK**.
7. Repeat steps 5~6 for other settings.

To remove the menu
Press SYSTEM MENU.

Disc Operations

IMPORTANT!

– DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is for the same zone as your player.

– Depending on the DVD or VIDEO CD, some operations may be different or restricted.

– Do not push on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the disc player to malfunction.

Playable discs

Your DVD home cinema system will play:

- Digital Video Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Digital Video Discs + Rewritable(DVD+RW)
- Compact Discs (CDs)
- MP3 discs, picture (Kodak, JPEG) files on CD-R(W).
  - JPEG/ISO 9660 format.
  - Maximum 30 characters display.
  - Supported sampling frequencies : 32 kHz, 44.1 kHz, 48 kHz
  - Supported Bit-rates : 32~256 (kbps), variable bit rates

Region Codes

DVDs must be labelled for **ALL** regions or for versions /21R-**Region 3**, or for versions /21S-**Region 4**, in order to play on this DVD system. You cannot play discs that are labelled for other regions.

Note:

– If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted discs will not play on this DVD system.

IMPORTANT!

If the inhibit icon (or X) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.

Playing discs

1. Adjust **SOURCE** control until "DISC X" appears on the display panel (or press **DISC/MEDIA** on the remote).
2. Turn on the TV power and set to the correct Video In channel. (See page 19 "**Setting the TV**").
   ➜ You should see the blue Philips DVD background screen on the TV.
3. Press one of the **OPEN•CLOSE ⏏** button to open the disc tray and load a disc, then press the same button again to close the disc tray.
   ➜ Make sure the label side is facing up. For double-sided discs, load the side you want to play face up.
4. Repeat step 3 for loading a disc onto another disc tray.
5. Playback will start automatically from the last loaded disc.
   ➜ All the available discs will play once, then stop.
   ➜ If a disc menu shows on the TV, see next page on "**Using the Disc Menu**".
   ➜ If the disc is locked by parental control, you must enter your four-digit password. (See page 34-35).

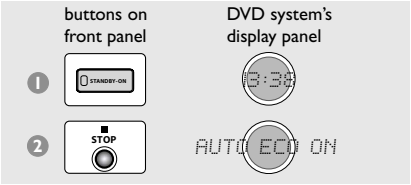
- To obtain the best surround effects, see page 20 "**Changing seating control position**".

Note:

– Only one tray can be opened at a time. If you intend to open the second tray before closing the first tray, the first tray will automatically close before the second tray opens.

Turning on/off auto Eco standby mode

This is a power-saving feature, the system will automatically switch to Eco standby mode if you do not press any buttons within 30 minutes after a disc has stopped playing.



1. Press and hold **STANDBY ON** to switch the system to standby mode.
   ➜ The clock appears.
2. Press and hold ■ until "AUTO ECO ON" appears.
   ➜ To turn off the setting, repeat step 2 until "AUTO ECO OFF" appears.

Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load in the disc.

To select a playback feature or item

- Use the **joystick (◄► ▲▼)** or **numeric keypad (0-9)** on the remote, then press ►II or **OK** to start playback.

To access or remove the menu

- Press **DISC MENU** on the remote.

For VCD with Playback Control (PBC) feature (version 2.0 only)

- In stop mode, press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF', then the playback will start automatically.
  ➜ If you select 'PBC ON', the disc menu (if available) will appear on the TV. Use the Joystick (◄► ▲▼) to highlight your selection and press OK to confirm or use the numeric keypad (0-9) to select a play option.
- During playback, pressing **DISC MENU** will return to the menu screen (if PBC is on).

Basic playback controls

Pausing playback

- Press ►II.
  ➜ To resume normal playback, press ►II again.

Selecting another track/chapter

- Press I◄◄ / ►►I or use the **numeric keypad (0-9)** to key in a track/chapter number.

Searching backward/forward

- Press and hold I◄◄ / ►►I, then press ►II to resume normal playback.
  ➜ While searching, pressing and holding I◄◄ / ►►I again will increase the search speed.

Selecting next disc

- Press **DISC SKIP**.
  ➜ The selected disc will play once, then stop.

Stopping playback

- Press ■.

Resuming playback from the last stopped point (DVD/VCD)

- In stop mode and when the disc has not been ejected, press ►II.

To cancel the resume mode

- In stop mode, press ■ again.

Notes:
– Opening the current disc tray or selecting another disc tray will cancel the resume feature.
– Resume option may not be available on some discs.

Replacing discs without interrupting playback

- Press **OPEN•CLOSE ≜** buttons of the inactive disc trays.
  For example, if currently disc tray 1 is playing, you can replace the discs on disc trays 2~5.

Disc Operations

Selecting various repeat functions

Repeat play mode

- While playing a disc, press **REPEAT** to select :

REPEAT CHAPTER (DVD)
– to repeat playback of the current chapter.

REPEAT ALBUM (MP3)
– to repeat playback of the current album.

REPEAT TRACK/TITLE
– to repeat playback of the current track/title.

REPEAT DISC (CD/VCD/SVCD)
– to repeat playback of the current disc or the programmed tracks (if the programme mode is active).

REPEAT ALL (CD/VCD/SVCD)
– to repeat playback of all available discs or the programmed tracks.

REPEAT OFF
– to cancel the repeat mode.

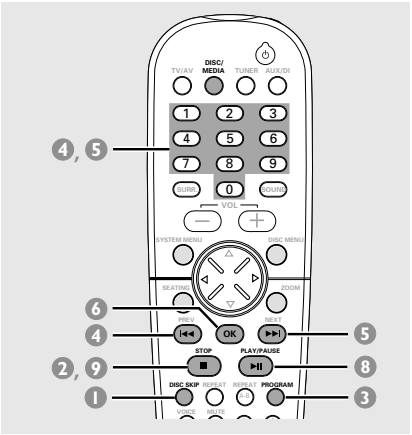
Notes:
– Repeat play might not work correctly with some DVDs.
– For VCD, if the PBC mode is switched on, repeat play is not possible.

Repeating a section within a chapter/ track

1. While playing a disc, press **REPEAT A-B** at the starting point.
2. Press **REPEAT A-B** again at the point to end the section.
   ➜ The section A and B can be set only within the same chapter/track.
   ➜ The section will now repeat continuously.
3. Press **REPEAT A-B** again to resume normal playback.

Programme favourite tracks (audio CDs and VCDs)

You can play the contents of the disc in the order you want by programming the order of the tracks to be played. Up to 99 tracks can be stored.



1. Press **DISC SKIP** repeatedly to select a disc tray containing audio CD or VCD.
   ➜ Wait until the system finishes reading the discs before proceeding to next step.
2. When the playback begins, press ■ to stop playback.
3. Press **PROGRAM** to enter programme mode.
   ➜ "PROGRAM FULL" appears if 99 tracks have been programmed.

"XX" = number of programmed tracks

4 Press I◄◄, then use the **numeric keypad (0-9)** to enter the disc number.
➜ "DISC X" appears.

5 Press ►►I, then use the **numeric keypad (0-9)** to enter the track number.
➜ "TRACK X" appears.

6 Press **OK** to store the track.

7 Repeat steps 4~6 to select other discs and tracks.

8 Press ►II to start programme playback.
➜ Only the tracks programmed from audio CDs and VCDs will play.

9 Press ■ to stop playback or exit programme mode.

Notes:
– Pressing OPEN•CLOSE button of the programmed disc tray will erase the programme.
– If you do not press any buttons within 20 seconds, the system will exit programming mode.

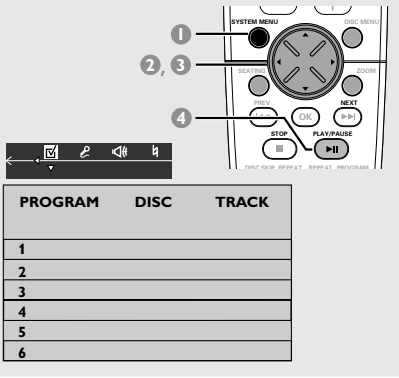
Clearing the programme

- Stop playback, then press and hold ■.
➜ **PROG** disappears from the display panel and "PROGRAM CLEARED" appears.

Note:
– If the DVD system is disconnected from the power supply, the programme will be erased.

Using the menu bar to programme

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 19 **"Setting the TV"**).



1 Stop playback, then press **SYSTEM MENU**.
➜ The menu bar will appear across the top of the TV screen.

2 Use the joystick (◄►) to select ☑ and press ▼ to enter the programme menu.

3 Use the joystick (◄► ▲▼) to move within the programme menu and use the **numeric keypad (0-9)** to enter the disc and track number to programme.

4 Press ►II to start programme playback.
➜ Only the tracks programmed from audio CDs and VCDs will play.

- In stop mode, you can press **PROG** on the front panel to toggle between programme on and off.

To clear the programme

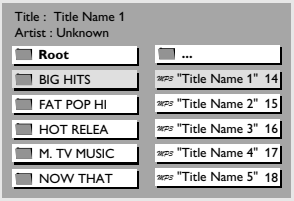
- Stop playback, then press and hold ■.

Playing MP3/Picture disc (Kodak, JPEG)

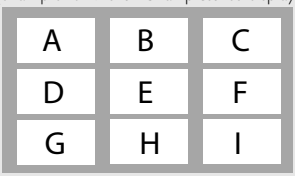
IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 19 **"Setting the TV"**).

1. Load an MP3/Picture (Kodak, JPEG) disc.
   ➜ The disc reading time may exceed 30 seconds due to the complexity of the directory/ file configuration.
2. Playback will start automatically.
   ➜ With picture discs, 9 thumbnail pictures will appear on the TV. Press ▶II to start the slide-show playback.
   ➜ With MP3 discs, a list of albums/titles menu will appear on the TV.

(example for MP3 disc menu)



(example for 9 thumbnail pictures display)



During playback, you can;

- Press I◀◀ / ▶▶I to select another title/picture in the current folder.
- Use the joystick (◀▶▲▼) on the remote to rotate/flip the picture files.
- Press **ZOOM** on the remote to turn on/off the zoom effect. Then press I◀◀ / ▶▶I to change the zoom ratio: 25, 50, 100, 150 or 200 (PCT - Percentage).
- Press ▶II to pause/resume playback.

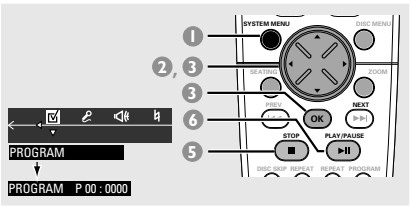
3. To stop playback, press ■.

In stop mode, you can;

- Use the joystick (◀▶▲▼) on the remote to move within the menu and press **OK** to select the desired file to play.
- In picture menu, you can use the joystick (◀▶▲▼) to select I◀◀ or ▶▶I in the menu to view the previous/next page (if available).

Notes:
– Due to the recording nature of Digital Audio MP3 (DAM), only digital audio music will play.
– It is normal to experience an occasional "skip" while listening to your MP3 discs.
– Some files on Kodak or JPEG disc may be distorted during playback due to the configuration and characteristics of the disc.

Programme MP3 disc



1. Stop playback, then press **SYSTEM MENU**.
   ➜ The menu bar will appear across the top of the TV screen.
2. Use the joystick (◀▶) to select ☑ and press ▼ to enter the programme menu.
3. Use the **numeric keypad (0-9)** or joystick (◀▶▲▼) to select the title number and press **OK**.
4. Repeat step 3 to select title number.
5. Press ■ to stop the programming.
   ➜ A list of programmed tracks appears.
6. Press ▶II to start programme playback.

- In stop mode, you can press **PROG** to toggle between programme on and off.

To clear the programme

- Stop playback, then press and hold ■.

Note:
– Repeat function is not possible during MP3 programme playback.

About media slot

The **MEDIA SLOT** allows you to playback the contents (for example, digital still pictures) stored in the memory card (PCMCIA) without the need of using the device itself (for example, digital camera, digital camcorder or MP player) or a computer.

Memory cards (for example, Compact Flash, Memory Stick, Smart Media, Secure Digital card, Multimedia card) are a new form of compact, portable, digital data exchange or storage systems with compatible memory card devices and versatile IC (Intergrated Circuit) recording medium with a data capacity that exceeds a floppy disc.

Precaution on handling the memory card

– Do not attach any other material than the supplied label on the label space.
– Do not touch the memory card connector with fingers or metal objects.
– Do not bend, drop, disassemble or modify the memory card.
– Do not allow the memory card to get wet.
– If you use a memory card that has been initialised using a computer or if you initialise a memory card attached to a camera using a USB connection, further operation is not guaranteed.
– An image file that has been modified using an image processing software may not open if it is converted into a different file format.

Supported memory card format

File format: JPEG image (*.jpg).
Compatibility:
– *.jpg images recorded with a digital camcorder or digital camera with memory card function.
– JPEG images stored in a memory card using a memory card adaptor for PC.
– MP3 files.
Directories:
– Memory card DPM (\DCIM\<dir>\8.jpg)
– Picture CD

Playing JPEG pictures from memory card

1. Remove the memory card from your digital camera and plug it into the PC card adaptor (not supplied).
2. Insert the PC card adaptor into the media slot on your player.
3. Adjust **SOURCE** control until "MEDIA SLOT" appears on the display panel (or press **DISC/MEDIA** twice on the remote).
4. Turn on the TV power and set to the correct Video In channel. (See page 19 "**Setting the TV**").
   ➜ If the memory card is recognised, 9 thumbnail pictures will appear on the TV.
5. You can also use the joystick (◄►▲▼) to make your selection from the 9 thumbnail pictures. If you press **OK**, the selected picture will show on the TV screen. If you press ►II, the slide-show playback will begin from the selected picture.

   During playback, you can;
   - Press I◄◄ / ►►I to select another picture.
   - Use the joystick (◄►▲▼) on the remote to rotate/flip the picture files.
   - Press ►II to pause/resume playback.
6. To stop playback, press ■.
7. To eject the memory card, press **EJECT** ≜.

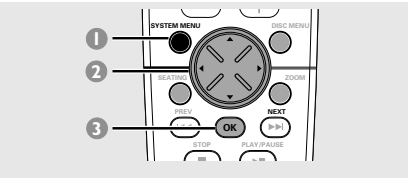
   In stop mode, you can;
   - Use the joystick (◄►▲▼) to select I◄◄ or ►►I in the menu to view the previous/next page (if available).

   Notes:
   – Some files on memory cards may be distorted when played back.
   – If you insert the PC card adaptor into the media slot while watching a DVD playback, the picture/ sound from the disc may freeze/skip due to electrical interference.

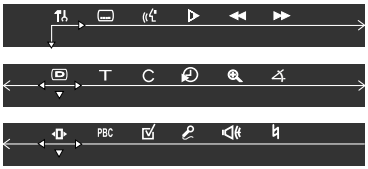
DVD Menu Options

Using the menu bar

You can continue a number of operations directly via the multiple menu bars on the TV screen without interrupting the disc playback. The exception is when you enter (SETUP MENU), the playback will pause.



1 In disc mode, press **SYSTEM MENU**.
➜ The menu bar will appear across the top of the TV screen.



2 Use the joystick (◀ ▶ ▲ ▼) on the remote to navigate in the menu.
➜ Press ◀ ▶ to move through the menu bar.
➜ Press ▼ to enter the selection. If there are multiple choices available, press ▼ repeatedly to select.

3 Press **OK** to confirm the selection.
➜ Playback will resume or begin automatically.

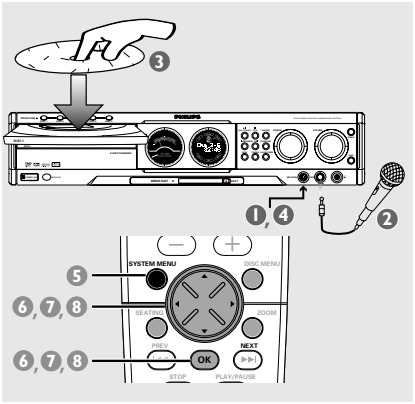
To remove the menu
Press SYSTEM MENU.

IMPORTANT!
– Some operations may be different or restricted, depending on the disc format. Refer to the jacket or case of the disc you are playing.
– Changing the Subtitle Language and Audio Language from the menu bar will only apply to the current disc, it will not change the default preset.

	SUBTITLE Select a subtitle language available on the DVD.
	AUDIO DVD : Select an audio soundtrack language available on the DVD. VCD : Select audio channels : LEFT VOCAL, RIGHT VOCAL, MONO LEFT, MONO RIGHT or STEREO.
	SLOW MOTION Select a slow playback speed. The volume will be muted. To resume normal playback, press ▶ II. DVD : SF x2, SF x4, SF x8, SR x2, SR x4, SR x8. VCD : SF x1, SF x2, SF x3. (SF=Slow Forward, SR=Slow Rerverse)
	FAST REVERSE DVD : FR x2, FR x4, FR x6, FR x8. VCD/MP3 : FR x1, FR x2, FR x3, FR x4.
	FAST FORWARD DVD : FF x2, FF x4, FF x6, FF x8 VCD/MP3 : FF x1, FF x2, FF x3, FF x4. Select a search speed (backward/forward). The volume will be muted. To resume normal playback, press ▶ II.
	STATUS Allows viewing of the current status of the disc. The information will vary depending on the disc format.
T	*Available on DVD only* **TITLE SEARCH (**TITLE **XX**:YY") Select a Title for playback to begin.
C	**CHAPTER SEARCH (**CHAPTER **XX**:YY**)** Select a Chapter for playback to begin. "**XX**" - current title/chapter number. "YY" - total number of title/chapter. Use the **numeric keypad (0-9)** to change the "**XX**" number, then press **OK**.
	TIME SEARCH (TIME __:__:__**)** Use the **numeric keypad (0-9)** to enter the time (hours, minutes and seconds) at which you want playback to begin.
	ZOOM Select an enlarge picture ratio : x1.5, x2.0, x3.0, then press **OK** to confirm. Use the **joystick** to move within the enlarged picture on the TV. To resume normal playback, select 'ZOOM OFF' from the menu.
	ANGLE (for DVD only) Select to view the same scene from different angles if the DVD is recorded with multiple angles.
	STEP FORWARD Select to advance the still picture one frame forward. To resume normal playback, press ▶ II.
PBC	**PBC ON/OFF** (for VCD 2.0 with PBC feature) Select between PBC On and Off. 'PBC OFF' - the playback will start automatically. 'PBC ON' - the disc menu (if available) will appear on the TV. Use the **numeric keypad (0-9)** to enter your choice.

	PROGRAM Stop playback, then select this to enter the program menu (see page 25 "Using the menu bar to program").
	KARAOKE ON/OFF Select between Karaoke feature on and off. You must switch on the Karaoke feature before adjusting the Echo level and key control.
	ECHO LEVEL Adjust the echo level between 0 to +7.
	KEY CONTROL Adjust the key level between -4 to +4, to suit your vocal range.

Using the Karaoke feature



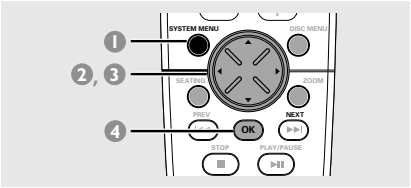
1. Set the **MIC LEVEL** control at the front panel to the minimum level (turn to left) to prevent acoustic feedback when connecting the microphone.
2. Plug in the microphone to the **MIC** input.
3. Load a karaoke disc.
4. Adjust the **MIC LEVEL** control to select the microphone volume level.
5. Press **SYSTEM MENU**.
   ➜ The menu bar will appear across the top of the TV screen.
6. Use the joystick (◀ ▶) to select and press ▼▲ to select Karaoke ON, then press **OK**.
7. Use the joystick (◀ ▶) to select and press ▼▲ to select a desired echo level, then press **OK**.
8. Use the joystick (◀ ▶) to select and press ▼▲ to select a key level that suits your vocal range, then press **OK**.

- Some VCDs or SVCDs are recorded on multiple audio channels. For example, a Karaoke disc may record music on the left channel and vocals on the right channel. To choose an audio channel, use the joystick (◀ ▶) to select and press ▼ repeatedly to make your selection.
- If you wish to turn off the Karaoke, use the joystick (◀ ▶) to select and press ▼ to select Karaoke OFF, then press **OK**.

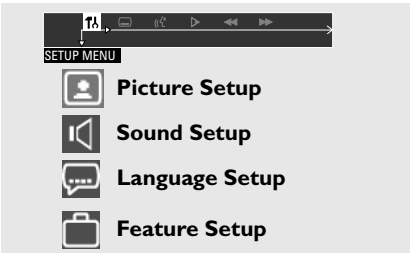
DVD Menu Options

Using the Setup Menu

This DVD setup is carried out via the TV, enabling you to customise the DVD system to suit your particular requirements.



1. In disc mode, press **SYSTEM MENU**.
   ➜ Playback will pause.
2. Select icon and press ▼ to enter the setup menu. Then press ▲▼ to select one of the setup menu options and press ▶ to enter the menu.



3. Use the joystick (◀▶▲▼) on the remote to navigate in the menu.
4. Press **OK** to confirm your selection.
   ➜ Playback will resume or begin automatically.

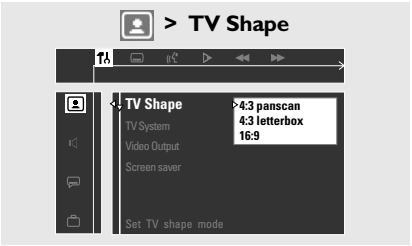
To remove the menu
Press SYSTEM MENU.

NOTE:
Some of the features in the Setup Menu are described in "Getting Started".

Setting the TV shape

The format you select must be available on the disc. If it is not, the setting for TV Shape will not affect the picture during playback.

Follow the steps of "**Using the Setup Menu**" and select :



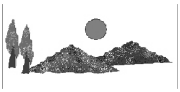
4:3 panscan

Select this if you have a conventional TV and your DVD is not formatted for wide screen viewing. A wide picture will display on the whole TV screen with a portion automatically cut off.

4:3 letterbox

Select this if you have a conventional TV and your DVD is formatted for wide screen viewing. Black bars appear on the upper and lower portions of the TV screen.

16:9

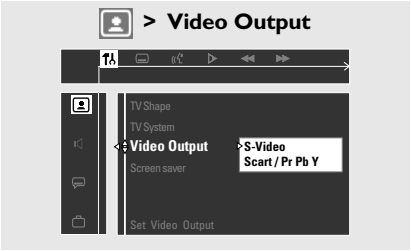


Select this if you have a wide screen TV (you must also set your wide screen TV to "full size").

Setting the video output

Set the Video Output according to your video connection.

Stop playback, then follow the steps of "**Using the Setup Menu**" and select :



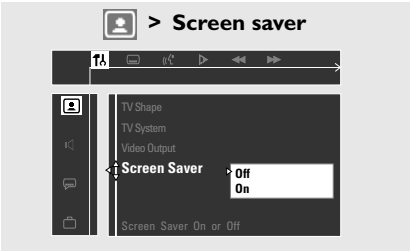
S-Video
Select this if you have connected the DVD system to your TV using S-Video jack.

Scart / Pr Pb Y
Select this if you have connected the DVD system to your TV using component video jacks. (SCART - this feature is not available for this model).

Note:
– You do not need to adjust the video output setting if you are using CVBS jack (yellow) to connect the DVD system to your TV.

Screen Saver - turning on/off

Follow the steps of "**Using the Setup Menu**" and select :



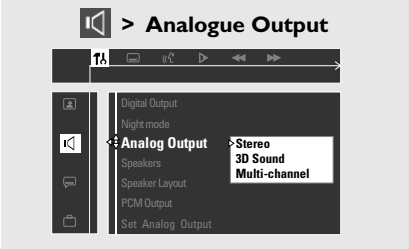
Off
Select this to disable the screen saver function.

On
Select this if you wish to dim the TV screen when disc playback is stopped or paused for more than five minutes. This will prevent your display device from becoming damaged.

Setting the analogue output

Set Analogue Output to match your DVD home cinema system's playback capability. This function can also be accessed via the SURR. button on the remote control (or SURROUND on the front panel).

Follow the steps of "**Using the Setup Menu**" and select :



Stereo
Select this to change channel output to stereo which delivers sound from only the two front speakers and subwoofer.

3D Sound
Select this to change channel output to 3D sound which delivers surround sound from only the two front speakers and subwoofer.

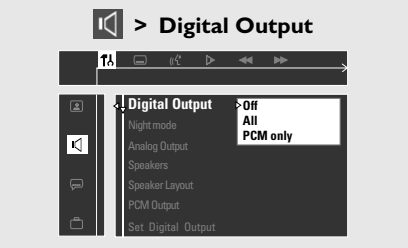
Multi-channel
Select this to enable Multi-channel output.

DVD Menu Options

Setting the digital output

Set Digital Output according to your optional audio equipment connections.

Follow the steps of "**Using the Setup Menu**" and select :



Off
Select this to deactivate the digital output.

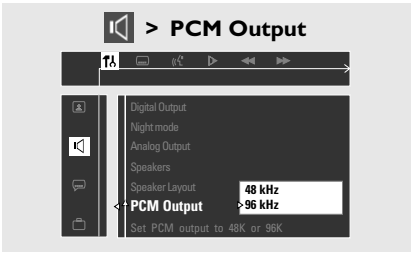
All
Select this if you have connected the digital output to an optional piece of audio equipment that has a multichannel decoder.

PCM only
Select this if the optional audio equipment is not capable of decoding multichannel audio. After that, proceed to "**Setting the PCM output**". Once you select '**PCM only**', the surround mode will automatically change to '**STEREO**'.

Setting the PCM output

Set your PCM (Pulse Code Modulation) output only after you have set the system's Digital Output to '**PCM only**'. (See "**Setting the digital output**").

Follow the steps of "**Using the Setup Menu**" and select :

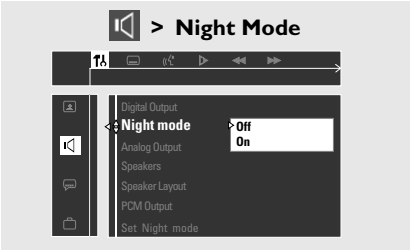


48 kHz
Select this if the optional audio equipment is incapable of processing 96 kHz digital signal input. The signal will then be converted to a standard signal with sampling rates of 48 kHz.

96 kHz
Select this if the optional audio equipment is capable of processing digital signal input with sampling rates of 96 kHz. However, if the sound output is distorted or there is no sound, select '**48 kHz**' instead.

Night mode - turning on/off

Follow the steps of "**Using the Setup Menu**" and select :



Off

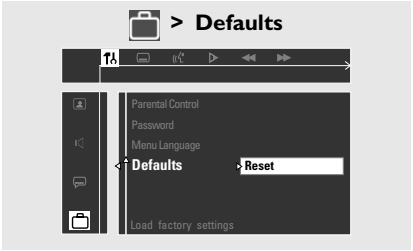
Select this when you want to enjoy the surround sound with its full dynamic range.

On

Select this to level out the volume. High volume outputs will be softened and low volume outputs are brought upward to an audible level. This feature is only available for movies with Dolby Digital mode.

Restoring to original settings

Follow the steps of "**Using the Setup Menu**" and select :



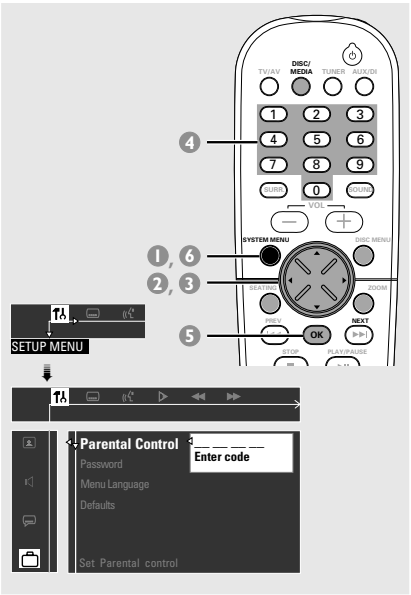
Reset

Pressing ▶ on the remote will restore all the items in the setup menu to the original factory setting except for your Parental Control password.

DVD Menu Options

Restricting playback by Parental Control

(only available in region 1 players)
Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.



1 In disc mode, press **SYSTEM MENU**.

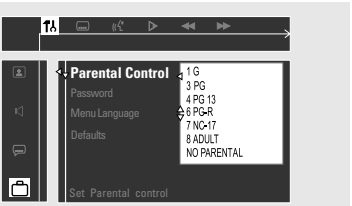
2 Select icon and press ▼.

3 Use the joystick (◄►▲▼) on the remote to navigate in the menu.

Move to and press ►.
Move to '**Parental Control**' and press ►.

4 Use the **numeric keypad (0-9)** to enter '**1234**' (default password) when you are asked to enter the four-digit password. You will have to enter the same code, exactly, twice.
➜ To change the password, see page 35 "**Changing the password**".

5 Select a rating level and press **OK**.
➜ DVDs that are rated above the level you selected will not play unless you enter your four-digit password and choose a higher level rating. To disable Parental Controls and have all discs play, choose '**NO PARENTAL**'.



6 Press **SYSTEM MENU** again to remove the menu.

Rating explanations

NO PARENTAL – It will play all discs.

8 ADULT – Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.

7 NC-17 – No children under age 17; not recommended viewing for children under age 17.

6 PG-R – Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow to view only when supervised by a parent or adult guardian.

4 PG13 – Material is unsuitable for children under age 13.

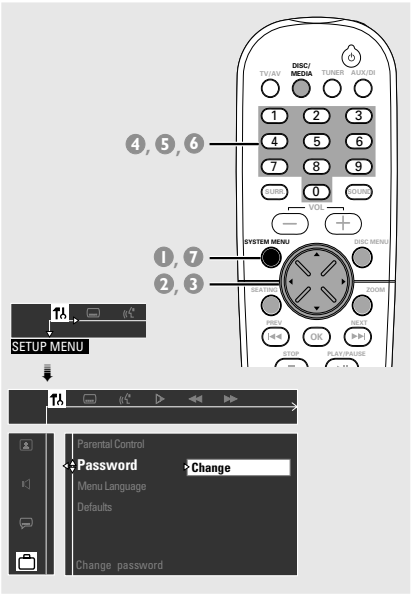
3 PG – Parental Guidance suggested.

1 G – General Audience; recommended as acceptable for viewers of all ages.

Note:
– Some DVDs are not encoded with a rating though the movie rating may be printed on the disc jacket. The rating level feature does not work for such discs.

Changing the password

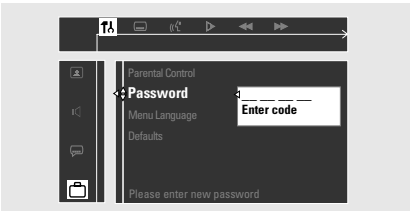
You can change the four-digit password used for Parental Control. The default password is '1234'.



1. In disc mode, press **SYSTEM MENU**.
2. Select icon and press ▼.
3. Use the joystick (◀ ▶ ▲ ▼) on the remote to navigate in the menu.

   Move to and press ▶.
   Move to '**Password**' and press ▶.

4. Use the **numeric keypad (0-9)** to enter your original four-digit password at "**Enter code**".
   ➜ If you are asked to enter the code for the first time, key in '**1234**'.
   ➜ If you forget your password, press ■ **four times** to restore to the default password (**1234**.)
5. Enter your new four-digit password.



6. Enter the same new four-digit password again.

7. Press **SYSTEM MENU** again to remove the menu.

Tuner Operations

IMPORTANT!
– Make sure the FM and MW antennas are connected.
– The TUNING button on the front panel is used to toggle between frequency tuning and preset tuning. When in preset tuning mode, pressing ⏮ / ⏭ buttons on the front panel will change the preset number. Otherwise, pressing ⏮ / ⏭ will change the radio frequency.

Tuning to radio stations

1. Press **TUNER** on the remote (or adjust **SOURCE** control on front panel) to select "FM TUNER" or "MW TUNER".
2. Press and hold ⏮ / ⏭ on the remote until the frequency indication starts to change, then release.
   ➜ The next radio station will tune automatically.
   ➜ ∞ lights up for FM stereo reception.
3. To tune a weak station, press ⏮ / ⏭ briefly and repeatedly until an optimal reception is found.

- If you use ⏮ / ⏭ on the front panel for frequency tuning, make sure the system is in frequency tuning mode. If not, press **TUNING**.
  ➜ "FREQ MODE" appears.

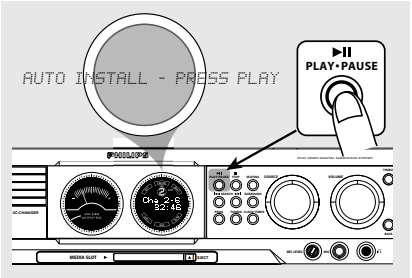
Presetting radio stations

You can store up to 40 preset radio stations in the memory, starting from FM and followed by MW bands.

Notes:
– The system will exit presetting mode if no button is pressed within 20 seconds.
– If no stereo frequency is detected during Plug and Play, "CHECK ANTENNA" appears.

Using the Plug and Play

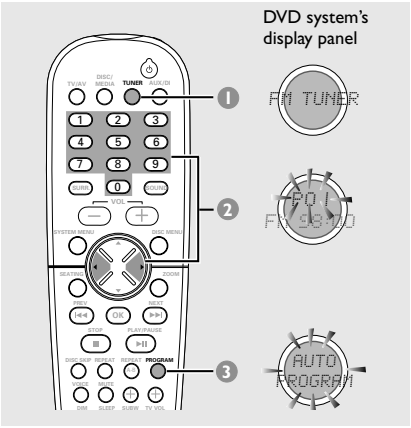
Plug and Play allows you to store all available radio stations automatically.



1. Connect the system to the power supply, "AUTO INSTALL – PRESS PLAY" appears.
   OR
   In Eco Power standby/standby mode, press and hold ▶II on the front panel until "AUTO INSTALL – PRESS PLAY" appears.
2. Press ▶II on the front panel to start installation.
   ➜ "INSTALL TUNER" appears.
   ➜ All previously stored radio stations will be replaced.
   ➜ Once completed, the last tuned radio station will play.

Automatic presetting

You can start the automatic presetting from a selected preset number.



1. Press **TUNER** on the remote (or adjust **SOURCE** control on front panel) to select "FM TUNER" or "MW TUNER".
2. Press ◄ ► or use the **numeric keypad (0-9)** to select a preset number to begin.
   - If you use ⏮ / ⏭ on the front panel for preset tuning, make sure the system is in preset tuning mode. If not, press **TUNING**.
     ➜ "PRESET MODE" appears.
3. Press and hold **PROGRAM** (or **PROG** on the front panel) until "AUTO PROGRAM" appears.
   ➜ If a radio station is stored in one of the presets, the same radio station will not store under another preset number.
   ➜ If no preset number is selected, automatic preset will begin from preset (1) and all your former presets will be overridden.

Manual presetting

You can choose to store only your favourite radio stations.

1. In tuner mode, press **PROGRAM** (or **PROG** on the front panel).
2. Press ◄ ► or use the **numeric keypad (0-9)** to select a preset number.
3. Press ⏮ / ⏭ on the remote to select a radio station.
4. Press **PROGRAM** again to store.

Selecting a preset radio station

- Press ◄ ► or use the **numeric keypad (0-9)** to select a preset number.
  ➜ The preset number, radio frequency, and waveband will appear.

Deleting a preset radio station

- Press and hold ■ until "PRESET DELETED" appears.
  ➜ The current preset radio station will be deleted and the next available preset radio station will take its place.
  ➜ All other preset radio stations with higher numbers will decrease by one.

Timer Operations

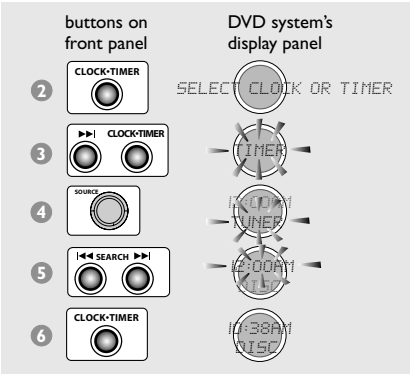
Setting the timer

The system can switch on to DISC or TUNER mode automatically at a preset time, serving as an alarm to wake you up.

IMPORTANT!

– Before setting the timer, ensure that the clock is set correctly.

– The volume of the timer will increase gradually to the last tuned volume level. If the last tuned volume level is too low, the set will then increase to a predetermined minimum audible level.



1. Press **STANDBY ON** to switch on the DVD system.
2. Press and hold **CLOCK•TIMER** until "SELECT CLOCK OR TIMER" appears.
3. Press ▶▶| (if necessary) to change the display to "TIMER", then press **CLOCK•TIMER** again to confirm.
4. Adjust **SOURCE** (or press **DISC/MEDIA** or **TUNER** on the remote) to select the wake up source (DISC or TUNER).
5. Press |◀◀ / ▶▶| to set the wake up time (minutes and hours.)
   To increase the speed, hold down |◀◀ or ▶▶|.
   ➜ The changes in minutes will roll over to the hours.
6. Press **CLOCK•TIMER** again to store the setting.
   ➜ Once the timer is set, it will always switch on unless you deactivate it.
   ➜ 🕘 icon will remain on the display panel. It indicates the timer is activated.

- **At the preset time, the selected sound source will play for 30 minutes before it switches to Eco Power standby mode** (if no button is being pressed within the time frame).
  ➜ **DISC** – playing the first track of the last selected disc. If the last selected disc tray is empty, it will switch to the next available disc. If all the disc trays are not available, it will switch to Tuner mode.
  ➜ **TUNER** – playing the last tuned radio station.

Activating/Deactivating the timer

1. Repeat steps 1~3 of "**Setting the timer**".
2. Press ■ to turn off the timer.
   ➜ 🕘 icon will disappear from the display panel and "TIMER OFF" appears.

   OR

   Press **CLOCK•TIMER** to turn on the timer to the last setting.
   ➜ The timer information will display for a few seconds, then the system resumes its last active source or stays in standby mode.

Note:

– The system will exit timer setting mode if no button is pressed within 90 seconds.

Setting the Sleep timer

The sleep timer enables the system to switch to Eco Power standby mode automatically at a preset time.

- Press **SLEEP** on the remote repeatedly until it reaches the desired preset turn-off time.
  ➜ The selections are as follows (time in minutes):
  15 → 30 → 45 → 60 → 90 → 120 → OFF → 15 …
  ➜ **SLEEP** will show on the display panel, except if "OFF" is selected.
  ➜ Before the system switches to Eco Power standby mode, a countdown of 10 seconds is displayed.
  "SLEEP 10" → "SLEEP 9".... → "SLEEP 1" → "SLEEP"

To check or change the setting

- Press **SLEEP** once to show the remaining time before switching off. If you continue pressing the **SLEEP** button, the next Sleep Timer option will appear on the display panel.

To cancel the sleep timer

- Press **SLEEP** repeatedly until "OFF" appears or press the **STANDBY ON** button.

Sound and Volume Controls

Sound Control

IMPORTANT!
For proper surround sound, make sure the speakers and subwoofer are connected (see page 12).

Selecting surround sound

- Press **SURROUND (SURR.)** to select : MULTI-channel, 3D SOUND or STEREO.
  ➜ The availability of the various surround sound modes depends on the number of speakers used and the sound available on the disc.
  ➜ The centre and surround speakers operate only when the DVD home cinema system is set to Multi-channel mode.
  ➜ The available output modes for Multi-channel include: Dolby Digital, DTS (Digital Theatre Systems) Surround, Dolby Surround and Dolby Pro Logic.
  ➜ Stereo broadcasts or recordings will produce some surround channel effects when played in a surround mode. However, mono (single channel sound) sources will not produce any sound from the surround speakers.

Note:
– You are not able to select the surround sound mode if the system menu/menu bar is turned on.

Turning on/off clear voice effect

You can enhance the centre and surround sound outputs by activating the clear voice sound feature if you have selected Multi-channel as the surround mode.

- Press **VOICE** on the remote to select "CLEAR VOICE ON".
  ➜ To turn off the setting, press VOICE again to select "CLEAR VOICE OFF".

Changing subwoofer volume level

- Press **SUB +/—** on the remote to adjust subwoofer volume level (-6dB to + 6dB).

Adjusting Bass/Treble level

The BASS (low tone) and TREBLE (high tone) features enable you to define the sound-processor settings.

1. Press **BASS** or **TREBLE**.
   ➜ The level indicator appears.
2. Within five seconds, use the **VOLUME** control to adjust the Bass or Treble level (-3 to +3).
   ➜ If the volume control is not used within five seconds, it will resume its normal volume control function.

Selecting digital sound effects

Select a preset digital sound effects that matches your disc's content or that optimises the sound of the musical style you are playing.

- Press **SOUND** on the remote.

  When playing movie discs, you can select : CONCERT, DRAMA, ACTION or SCI-FI.

  When playing music discs or while in TUNER or AUX/DI mode, you can select : ROCK, DIGITAL, CLASSIC or JAZZ.

Volume control

- Adjust **VOLUME** control (or press **VOL +/—** on the remote) to increase or decrease the volume level.
  ➜ "VOL MIN" is the minimum volume level and "VOL MAX" is the maximum volume level.

To listen through the headphones

- Connect the headphones plug to the 🎧 socket at the front of the DVD system.
  ➜ The speakers will be muted.

To turn off the volume temporarily

- Press **MUTE** on the remote.
  ➜ Playback will continue without sound and "MUTE" appears.
  ➜ To restore the volume, press MUTE again or increase the volume level.

Switching on/off

Switching to active mode

- Adjust the **SOURCE** control to select :
  DISC 1....DISC 5 → FM TUNER → MW TUNER → TV/AV → AUX → DI → MEDIA SLOT → DISC 1....

OR

Press **DISC/MEDIA**, **TUNER**, **TV/AV** or **AUX/DI** on the remote.

Switching to Eco Power standby mode

- Press **STANDBY ON (⏻)**.
  ➜ ECO POWER button lights up.
  ➜ The display screen will go blank.

Switching to standby mode (view clock)

- Press and hold **STANDBY ON (⏻)**.
  ➜ The clock appears.
  ➜ While in standby mode, pressing CLOCK•TIMER button will switch the system to Eco Power standby mode.

Dimming system's display screen

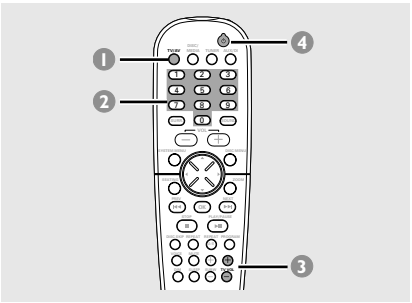
- Press **DIM** repeatedly to select different levels of brightness for the display screen.

Recording to an external device

1. Connect the external recording device to **LINE OUT** or **DIGITAL OUT**.
   (See pages 14, 15 "**Connections-optional**").
2. Select the source to record from your DVD system (DISC/MEDIA, TUNER, TV/AV or AUX/DI) and start playback (if necessary).
   ➜ You can only record from DISC if using DIGITAL OUT to connect the external recording device.
3. Start recording on the external recording device.

Notes:
– All the sound control features are available for selection.
– Refer to the owner's manual of the connected equipment for details.

Using the remote to operate your television



1. Press **TV/AV**.
2. Press ⏮ / ⏭ or use the **numeric keypad (0-9)** to select the TV's channel.
3. Press **TV VOL** + / − to adjust the TV's volume level.
4. Press ⏻ to turn off your TV.

Troubleshooting

WARNING
Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
No power.	– Check if the AC power cord is properly connected. – Press the STANDBY ON on the front of the DVD system to turn on the power.
No picture.	– Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Press DISC on the remote. – Switch the P-SCAN at the back panel to "OFF" position if you are not using a Progressive Scan TV.
Distorted or poor picture.	– Check the video connection. If both S-Video and Component (Pr Pb Y) Video connections are used to connect to your TV, the video signal will go to S-Video automatically every time when you power up the DVD system. To change the setting, refer to 'Video Output'. – Sometimes a small amount of picture distortion may appear. This is not a malfunction. – Clean the disc.
Completely distorted picture or black/ white picture.	– TVs have a colour system standard. If the disc's or DVD system's colour system is different than your TV's colour system, the picture may be distorted or colourless. Set to the correct 'TV System' setting.
The aspect ratio of the screen cannot be changed even though you have set the TV display.	– The aspect ratio is fixed on the DVD disc. – Depending on the TV, it may not be possible to change the aspect ratio.
No sound or distorted sound.	– Adjust the volume. – Replace the speaker cables. – Check the speaker connections and settings. – Disconnect the headphones. – Press PLAY to resume normal play mode if necessary. – Press the correct source button on the remote (TV/AV or AUX, for example) to choose the equipment that you want to hear through the DVD system.
The DVD system does not work.	– Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual.

Problem	Solution
The DVD player does not start playback.	– Insert a readable disc with the playback side facing down. – Check the disc type, colour system and region code. – Check for any scratches or smudges on the disc. – Press SYSTEM SETUP to turn off the setup menu screen. – Change the rating level. – Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour.
Cannot activate some features, such as Angles, Subtitles, or multi-language Audio.	– The features may not be available on the DVD. – Changing the language for the sound or subtitle is prohibited on the DVD.
There is no sound from the centre and surround speakers.	– Make sure the centre and surround speakers are connected correctly. – Press SURROUND button to select a correct surround sound setting. – Make sure the source you are playing is recorded or broadcast in surround sound (DTS, Dolby Digital, etc.).
Radio reception is poor.	– If the signal is too weak, adjust the antenna or connect an external antenna for better reception. – Increase the distance between the system and your TV or VCR. – Tune in to the correct frequency. – Place the antenna farther away from any equipment that may be causing the noise.
The remote control does not function properly.	– Select the source (DISC or TUNER, for example) before pressing the function button (▶II, I◀◀, ▶▶I). – Reduce the distance between the remote control and the system. – Replace the batteries with new ones. – Point the remote control directly toward the IR sensor. – Check that the batteries are loaded correctly.
The timer is not working.	– Set the clock correctly. – Press and hold CLOCK•TIMER to switch on the timer.
The display panel is dark.	– Press DIM again.
Low hum or buzz sound.	– Place the DVD system as far away as possible from electrical devices that may be causing interference.

Specifications

English

AMPLIFIER SECTION

Output power	5400 W PMPO
- Stereo mode (DIN)	75 W + 75 W RMS①
- Surround mode (1 kHz)	75 W RMS/channel
Frequency Response	100 Hz – 20 kHz / –3 dB
Signal-to-Noise Ratio	> 65 dB (CCIR)
Input Sensitivity	
- AUX In	880 mV
- TV In	350 mV
Output Sensitivity	
- Headphone	32 Ω – 1000 Ω
- Line Out	600 mV
- Digital In	acc IEC 60958 & IEC 61937

① 4ohm, 1 kHz, 10% THD

TUNER SECTION

Tuning Range	FM 87.5 – 108 MHz
	MW 531 – 1602 kHz (9 kHz)
	MW 530 – 1700 kHz (10 kHz)
26 dB Quieting Sensitivity	FM 20 dB
	MW 3162 mV/m
Image Rejection Radio	FM 25 dB
	MW 28 dB
IF Rejection Ratio	FM 60 dB
	MW 24 dB
Signal-to-Noise Ratio	FM 60 dB
	MW 40 dB
AM Suppression Ratio	FM 30 dB
Harmonic Distortion	FM Mono 3%
	FM Stereo 3%
	MW 5%
Frequency Response	FM 180 Hz – 10 kHz / ±6 dB
Stereo Separation	FM 26 dB (1 kHz)
Stereo Threshold	FM 23.5 dB

DISC SECTION

Laser Type	Semiconductor
Disc Diametre	12cm / 8cm
Video Decoding	MPEG-2 / MPEG-1
Video DAC	10 Bits
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Video S/N	56 dB (minimum)
Composite Video Output	1.0 Vp-p, 75 Ω
S-Video Output	Y - 1.0 Vp-p, 75 Ω
	C - 0.286 Vp-p, 75 Ω
Audio DAC	24 Bits / 96 kHz
Frequency Response	4 Hz – 20 kHz (44.1 kHz)
	4 Hz – 22 kHz (48 kHz)
	4 Hz – 44 kHz (96 kHz)
Digital Output	SPDIF (Sony Philips Digital Interface) Coaxial
- PCM	IEC 60958
- Dolby Digital/DTS	IEC 60958, IEC 61937

MAIN UNIT

Power Supply Rating	
- For Version /21-21M	110 – 127 / 220 – 240 V; 50/60 Hz Switchable
- For Version /30	230 – 240 V; 50 Hz
Power Consumption	150 W
Dimensions (w x h x d)	435 mm x 100 mm x 360 mm
Weight	7.15 kg

SPEAKERS

Front speakers / Rear (surround) speaker	
System	triple driver
Impedance	4 Ω
Speaker drivers	2 x 3" woofer, 1 3/4" tweeter
Frequency response	120 Hz – 20 kHz
Dimensions (w x h x d)	94 mm x 280 mm x 70 mm
Weight	1.23 kg/each

CENTRE SPEAKER

System	5 multi directional driver
Impedance	4 Ω
Speaker drivers	4 x 2" woofer, 1 3/4" tweeter
Frequency response	120 Hz – 20 kHz
Dimensions (w x h x d)	435 mm x 72 mm x 63.5 mm
Weight	1.32 kg

SUBWOOFER

Impedance	4 Ω
Speaker drivers	6 1/2" woofer
Frequency response	30 Hz – 120 Hz
Dimensions (w x h x d)	195 mm x 433 mm x 391 mm
Weight	5.72 kg

Specifications subject to change without prior notice

Analogue: Sound that has not been turned into numbers. Analogue sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

AUDIO OUT Jacks: Jacks on the back of the DVD System that send audio to another system (TV, Stereo, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per seconds, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a Disc.

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Clear voice: It enables the digital sound processor to extract the voice dynamics in movie dialog on all 5 surround channels without compromising on the location accuracy and the width of the surround sound.

Component Video Out Jacks: Jacks on the back of the DVD System that send high-quality video to a TV that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.).

Disc menu: A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analogue does.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right and centre).

DTS: Digital Theatre Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

JPEG: A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3: A file format with a sound data compression system. "MP3" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using MP3 format. one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Multichannel: DVD is specified to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

PCM (Pulse Code Modulation): A system for converting analogue sound signal to digital signal for later processing, with no data compression used in conversion.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling reproduction. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Plug and Play: After power up, the system will prompt the user to proceed with the automatic installation of radio stations by simply pressing the PLAY button on the main unit.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert the interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution. It dramatically increases the vertical resolution.

Region code: A system for allowing discs to be played back only in the region designated beforehand. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions).

S-Video: Produces a clear picture by sending separate signals for the luminance and the colour. You can use S-Video only if your TV has S- video In jack.

Sampling Frequency: Frequency of sampling data when analogue data is converted to digital data Sampling frequency numerically represents how many time the original analogue signal is sampled per second.

Seating control: It gives the user a perfect sound and movie experience anywhere in the room, providing maximum flexibility and real total immersion because the user can choose their preferred seat.

Surround: A system for creating realistic three-dimensional sound fields full of realism by arranging multiple speakers around the listener.

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

VIDEO OUT jack: Jack on the back of the DVD System that sends video to a TV.